

What is claimed is:

1. A light-emitting device comprising:
 an anode comprising a semi-transparent layer having a high reflectivity
 and a high work function; and
 5 a cathode comprising at least one first cathode layer of a low work
 function material selected from metal, metal oxide and combinations thereof, and
 at least one second cathode layer having a high reflectivity and a high work
 function.

2. The device of Claim 1, wherein the semi-transparent layer has a work
 10 function of greater than 4 eV.

3. The device of Claim 1, wherein the semi-transparent layer includes an
 anode material selected from metals and metal alloys.

4. The device of Claim 1, wherein the second cathode layer has a work
 function of greater than 4 eV.

5. The device of Claim 1, wherein the second cathode layer includes a
 15 cathode material selected from metals and metal alloys.

6. The device of Claim 1 wherein the semi-transparent layer has a
 reflectivity of at least 91.4% at the wavelength of emission.

7. The device of Claim 1 wherein the semi-transparent layer has a
 20 reflectivity of more than about 92% at the wavelength of emission.

8. The device of Claim 1 wherein the semi-transparent layer has a
 reflectivity of from 92 to 96.5% at the wavelength of emission.

9. The device of Claim 1 wherein the semi-transparent layer has a
 reflectivity of from 94 to 96.5% at the wavelength of emission.

10. The device of Claim 1 wherein the semi-transparent layer has a
 25 reflectivity of more than about 96% at the wavelength of emission.

11. The device of Claim 1 wherein the semi-transparent layer has a
 reflectivity of at least 86% at a wavelength emission of from 400 nm to 500 nm.

12. The device of Claim 1 wherein the semi-transparent layer comprises
 30 silver.

13. The device of Claim 1 wherein the at least one second cathode layer
 comprises silver.

14. The device of Claim 1 wherein the at least one second cathode layer has reflectivity of at least 91.4% at the wavelength of emission.

15. The device of Claim 1 wherein the at least one second cathode layer has reflectivity of between about 92 and 96.5% at the wavelength of emission.

5 16. The device of Claim 1 wherein the at least one second cathode layer has reflectivity of between about 94 to 96.5 % at the wavelength of emission.

17. The device of Claim 1 wherein the at least one second cathode layer has reflectivity of greater than about 96% at the wavelength of emission.

10 18. The device of Claim 1 wherein the at least one second cathode layer includes a layer of air-stable metal coated on a silver layer.

19. The device of Claim 1 wherein:

the semi-transparent layer has a first surface adjacent to the cathode and an opposite second surface;

15 the anode further comprising a passivation layer adjacent to the first surface, the passivation layer comprising a passivation material selected from poly(aniline), poly(aniline) blends, polythiophene, and polythiophene blends.

20. The device of Claim 1 wherein the semi-transparent layer has a thickness of from about 100 up to 500 Å.

20 21. The device of Claim 1 wherein the semi-transparent layer has a thickness of from about 250 up to 400 Å.

22. The device of Claim 1 wherein the semi-transparent layer has a thickness of from about 275 up to 350 Å.

23. The device of Claim 1 wherein the semi-transparent layer has a thickness of from about 275 up to 325 Å.

25 24. The device of Claim 1, wherein:

the semi-transparent layer has a first surface adjacent to the cathode and an opposite second surface;

the anode further comprises a transparent layer of indium/tin oxide adjacent to the second surface of the semi-transparent layer.

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